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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/766,450	01/19/2001	Colin Collins	023071111800	8675
20350 7	03/02/2004		. EXAM	INER
TOWNSEND AND TOWNSEND AND CREW, LLP TWO EMBARCADERO CENTER EIGHTH FLOOR			CLOW, LORI A	
			ART UNIT	PAPER NUMBER
SAN FRANCISCO, CA 94111-3834		1631		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/766,450	COLLINS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Lori A. Clow, Ph.D.	1631				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet w	vith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a y within the statutory minimum of thi vill apply and will expire SIX (6) MO , cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. NBANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 11 De	ecember 2003.					
2a) This action is FINAL . 2b) This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
·	e nending in the annlicati	on				
4) Claim(s) 1-7,9-23,25-35,37,38 and 40-61 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) 1-7,9-23,25-35,37,38 and 40-61 is/are rejected.						
7)⊠ Claim(s) <u>21 and 22</u> is/are objected to.						
8) Claim(s) 2 rand 22 Islate objected to: 8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
COO THO CITED ACTUAL CHIEF CHIEF AT INC.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	-\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	o(s)/Mail Date				
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 	6) Other:	Informal Patent Application (PTO-152)				

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DETAILED ACTION

Applicant's arguments filed 11 December 2003 have been fully considered. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objections are either reiterated or newly applied. They constitute the complete set presently being applied to the instant application.

Claims 1-7, 9-23, 25-35, 37, 38, and 40-61 are currently pending.

Claim Objections

Claims 21 and 22 remain objected to because of the following informalities: In claims 21 and 22, the antecedent basis appears refer to the oligonucleotides selected in claim 18, but to further clarify the insertion of the term "selected" before "oligonucleotide" is suggested.

Appropriate correction is required. Applicant did not respond to this objection in the response dated 11 December 2003.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-7, 9-23, 25-35, 37, 38, and 40-61 remain rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 comprises a series of steps or code to identify oligonucleotide sequences suitable for the amplification of a unique sequence within a genomic region of interest comprising

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executing a first step to identify repeat sequences, executing a second step to compare repeat sequence-free subsequences, and executing a third step to identify oligonucleotide sequences that are suitable for use as primers. These claims remain unclear. Particularly with regard to the third step, what is the intended limitation of this step? The amendment to the claim has rendered this step nonsensical. It is clear from the claim that the identification of repeat-free subsequences is intended. However, it is not clear the intended limitations of the remainder of the claim directed to "for which there are 5 or fewer sequences at least 50% identical to a nucleotide sequence in said nucleotide sequence database". Is this intended to limit the primers or the repeat-free subsequence?

Claims 18, 34, 43, 60 and 61 recite a step of "selecting oligonucleotides that are suitable for use as primers in an amplification reaction". It is still unclear what oligonucleotide is being identified or selected? Perhaps applicant intends the claims to read "selecting oligonucleotides based upon the identified regions".

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

No claims are allowed.

Inquiries

Papers related to this application may be submitted to Technical Center 1600 by facsimile transmission. Papers should be faxed to Technical Center 1600 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG 30 (November 15, 1988), 1156 OG 61 (November 16, 1993), and 1157 OG 94 (December 28, 1993) (See 37 CFR § 1.6(d)). The CM1 Fax Center number is either (703) 308-4242, or (703) 308-4028.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lori A. Clow, Ph.D., whose telephone number is (571) 272-0715. The examiner can normally be reached on Monday-Friday from 10 am to 6:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael P. Woodward, Ph.D., can be reached on (571) 272-0722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Legal Instrument Examiner, Tina Plunkett, whose telephone number is (703) 305-3524, or to the Technical Center receptionist whose telephone number is (571) 272-0549.

MARJORIE MORAN PATENT EXAMINER

Mayain a. Moran

February 26, 2004

Lori A. Clow, Ph.D.

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